10/681,223

=> d his

(FILE 'HOME' ENTERED AT 14:25:51 ON 28 OCT 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 14:26:16 ON 28 OCT 2004

L1	1248762	S	KINASE?
L2	6763612	S	CLON? OR EXPRESS? OR RECOMBINANT
L3	22649	S	THYMIDYLATE OR "TYKI"
L4	502559	S	L1 AND L2
L5	1082	S	L3 AND L4
L6	602	S	HUMAN AND L5
L7	2771	S	"P-LOOP"
L8	2	S	L6 AND L7
L9	2	DUP REM	L8 (0 DUPLICATES REMOVED)
		E	WEI M H/AU
L10	135	S	E3
		E	KETCHUM K A/AU
L11	229	S	E3
		E	BEASLEY E M/AU
L12	312	S	E3
		E	DIFRANCESCO V/AU
L13	116	S	E3-E4
L14	653	S	L10 OR L11 OR L12 OR L13
L15	1	S	L6 AND L14
L16	1	S	L1 AND L15
L17	1353	S	L1(A) L3
L18	349	S	L2 AND L17
L19	146	S	HUMAN AND L18
L20	86	DUP REM	L19 (60 DUPLICATES REMOVED)

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LOGINID:SSSPTA1652MXM

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JUL 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	4	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	5	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	6	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
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NEWS	8	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	9	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	10	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	11	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS	12	SEP 27	STANDARDS will no longer be available on STN
NEWS	13	SEP 27	SWETSCAN will no longer be available on STN
NEWS	14	OCT 28	KOREAPAT now available on STN

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 14:25:51 ON 28 OCT 2004

=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE 'EMBASE' ENTERED AT 14:26:16 ON 28 OCT 2004
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FILE 'HCAPLUS' ENTERED AT 14:26:16 ON 28 OCT 2004
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FILE 'LIFESCI' ENTERED AT 14:26:16 ON 28 OCT 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)


=> s kinase?
L1      1248762 KINASE?

=> s clon? or express? or recombinant
   4 FILES SEARCHED...
L2      6763612 CLON? OR EXPRESS? OR RECOMBINANT

=> s thymidylate or "TYKi"
L3        22649 THYMIDYLATE OR "TYKI"

=> s l1 and l2
L4       502559 L1 AND L2

=> s l3 and l4
L5         1082 L3 AND L4

=> s human and l5
L6          602 HUMAN AND L5

=> s "p-loop"
L7         2771 "P-LOOP"

=> s l6 and l7
L8            2 L6 AND L7

=> dup rem l8
PROCESSING COMPLETED FOR L8
L9            2 DUP REM L8 (0 DUPLICATES REMOVED)

=> d 1-2 ibib ab

L9   ANSWER 1 OF 2  SCISEARCH  COPYRIGHT (c) 2004 The Thomson Corporation.  on
     STN
ACCESSION NUMBER:    2000:504989  SCISEARCH
THE GENUINE ARTICLE: 329BE
TITLE:               Insights into the phosphoryltransfer mechanism of
```

human thymidylate kinase
gained from crystal structures of enzyme complexes along the reaction coordinate

AUTHOR: Ostermann N; Schlichting I; Brundiers R; Konrad M; Reinstein J; Veit T; Goody R S (Reprint); Lavie A

CORPORATE SOURCE: MAX PLANCK INST MOL PHYSIOL, DEPT PHYS BIOCHEM, OTTO HAHN STR 11, D-44227 DORTMUND, GERMANY (Reprint); MAX PLANCK INST MOL PHYSIOL, DEPT PHYS BIOCHEM, D-44227 DORTMUND, GERMANY; MAX PLANCK INST BIOPHYS CHEM, DEPT MOL GENET, D-37018 GOTTINGEN, GERMANY

COUNTRY OF AUTHOR: GERMANY

SOURCE: STRUCTURE WITH FOLDING & DESIGN, (15 JUN 2000) Vol. 8, No. 6, pp. 629-642.
Publisher: CURRENT BIOLOGY LTD, 84 THEOBALDS RD, LONDON WC1X 8RR, ENGLAND.
ISSN: 0969-2126.

DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 29

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB Background: **Thymidylate kinase** (TMPK) is a nucleoside monophosphate **kinase** that catalyzes the reversible phosphoryltransfer between ATP and TMP to yield ADP and TDP. In addition to its vital role in supplying precursors for DNA synthesis, **human** TMPK has an important medical role participating in the activation of a number of anti-HIV prodrugs.

Results: Crystal structures of **human** TMPK in complex with TMP and ADP, TMP and the AIP analog AppNHp, TMP with ADP and the phosphoryl analog AIF(3), TDP and ADP, and the bisubstrate analog TP,A were determined. The conformations of the **P-loop**, the LID region, and the adenine-binding loop vary according to the nature of the complex. Substitution of ADP by AppNHp results in partial closure of the **P-loop** and the rotation of the TMP phosphate group to a catalytically unfavorable position, which rotates back in the AIF3 complex to a position suitable for in-line attack. In the fully closed state observed in the TP(5)A and the TDP-ADP complexes, Asp15 interacts strongly with the 3'-hydroxyl group of TMP.

Conclusions: The observed changes of nucleotide state and conformation and the corresponding protein structural changes are correlated with intermediates occurring along the reaction coordinate and show the sequence of events occurring during phosphate transfer. The low catalytic activity of **human** TMPK appears to be determined by structural changes required to achieve catalytic competence and it is suggested that a mechanism might exist to accelerate the activity.

L9 ANSWER 2 OF 2 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 95:382274 SCISEARCH
THE GENUINE ARTICLE: RB197

TITLE: A UNIQUE MEMBER OF THE **THYMIDYLATE KINASE** FAMILY THAT IS INDUCED DURING MACROPHAGE ACTIVATION

AUTHOR: LEE C G; OBRIEN W E (Reprint)

CORPORATE SOURCE: BAYLOR COLL MED, DEPT MOLEC & HUMAN GENET, 1 BAYLOR PLAZA, HOUSTON, TX, 77030 (Reprint); BAYLOR COLL MED, DEPT MOLEC & HUMAN GENET, HOUSTON, TX, 77030; BAYLOR COLL MED, DEPT BIOCHEM, HOUSTON, TX, 77030

COUNTRY OF AUTHOR: USA

SOURCE: JOURNAL OF IMMUNOLOGY, (01 JUN 1995) Vol. 154, No. 11, pp. 6094-6102.
ISSN: 0022-1767.

DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE

LANGUAGE: ENGLISH
REFERENCE COUNT: 72

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

AB LPS, a bacterial endotoxin, induces the **expression** of many genes in macrophages. We report the **cloning** of a novel 3.3-kb cDNA that is a member of the **thymidylate kinase** family of genes. This **clone**, which we have designated **TYKi**, was obtained by screening a cDNA library prepared from RNA isolated from the murine cell line RAW264.7 after bacterial LPS treatment. **TYKi** is quite similar to all **thymidylate kinases** for which there are sequence data. It conserves two very important domains in these **kinases**, namely, the catalytic domain or **P-loop** and the nucleotide binding domain. After LPS exposure, the **TYKi** message appears at 2 h, peaks at 6 h, and declines at 8 h. LPS induction of **TYKi** is dependent on de novo protein synthesis. Increasing cytosolic cAMP with forskolin attenuates the LPS induction of **TYKi** . However, treatment with 8-(4-chlorophenylthio)-cAMP (CPT-cAMP) or dibutyryl-cAMP did not affect the LPS induction of **TYKi**. In contrast, activation of protein **kinase** C with phorbol ester augmented the LPS response, whereas inhibiting protein **kinase** C with 1-(5-isoquinolinylsulfonyl)2-methylpiperazine (H7) suppressed the LPS response. Removing extracellular Ca2+ with EGTA inhibited LPS induction of **TYKi**, whereas increasing intracellular calcium with the calcium ionophore A23187 had little effect on the levels of the **TYKi** transcript. Inhibiting tyrosine **kinase** with genistein suppressed the induction of **TYKi** by LPS.

```
=> e wei m h/au
E1            9      WEI M F/AU
E2            5      WEI M G/AU
E3          135 --> WEI M H/AU
E4            1      WEI M H Y/AU
E5            1      WEI M I/AU
E6           44      WEI M J/AU
E7            7      WEI M K/AU
E8          104      WEI M L/AU
E9           20      WEI M M/AU
E10           1      WEI M N/AU
E11         107      WEI M Q/AU
E12           1      WEI M R/AU

=> s e3
L10         135 "WEI M H"/AU

=> e ketchum k a/au
E1            1      KETCHUM JR R L/AU
E2           34      KETCHUM K/AU
E3          229 --> KETCHUM K A/AU
E4            1      KETCHUM K J/AU
E5           32      KETCHUM K L/AU
E6           20      KETCHUM KAREN/AU
E7          184      KETCHUM KAREN A/AU
E8            1      KETCHUM KAREN ANN/AU
E9            2      KETCHUM KATHY/AU
E10           4      KETCHUM KEVIN/AU
E11           3      KETCHUM KEVIN L/AU
E12           2      KETCHUM KRISTY/AU

=> s e3
L11         229 "KETCHUM K A"/AU

=> e beasley e m/au
E1            1      BEASLEY E H/AU
```

```
E2            6      BEASLEY E L/AU
E3          312 --> BEASLEY E M/AU
E4            7      BEASLEY E O/AU
E5            1      BEASLEY E S G/AU
E6            2      BEASLEY E T/AU
E7            4      BEASLEY E W/AU
E8            2      BEASLEY E W 3RD/AU
E9            2      BEASLEY E W III/AU
E10           1      BEASLEY E W JR/AU
E11           1      BEASLEY EDWARD E/AU
E12           1      BEASLEY EDWARD EVANS/AU

=> s e3
L12         312 "BEASLEY E M"/AU

=> e difrancesco v/au
E1            1      DIFRANCESCO U/AU
E2            1      DIFRANCESCO U M/AU
E3           99 --> DIFRANCESCO V/AU
E4           17      DIFRANCESCO VALENTINA/AU
E5            1      DIFRANCESCOL/AU
E6            1      DIFRANCESO D/AU
E7            2      DIFRANCESO L/AU
E8            1      DIFRANCESO R/AU
E9            1      DIFRANCESO ROBIN/AU
E10           1      DIFRANCESSO L/AU
E11           6      DIFRANCIA C/AU
E12           4      DIFRANCIA CELENE/AU

=> s e3-e4
L13         116 ("DIFRANCESCO V"/AU OR "DIFRANCESCO VALENTINA"/AU)

=> d his

     (FILE 'HOME' ENTERED AT 14:25:51 ON 28 OCT 2004)

     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 14:26:16 ON 28 OCT 2004
L1       1248762 S KINASE?
L2       6763612 S CLON? OR EXPRESS? OR RECOMBINANT
L3         22649 S THYMIDYLATE OR "TYKI"
L4        502559 S L1 AND L2
L5          1082 S L3 AND L4
L6           602 S HUMAN AND L5
L7          2771 S "P-LOOP"
L8             2 S L6 AND L7
L9             2 DUP REM L8 (0 DUPLICATES REMOVED)
                 E WEI M H/AU
L10          135 S E3
                 E KETCHUM K A/AU
L11          229 S E3
                 E BEASLEY E M/AU
L12          312 S E3
                 E DIFRANCESCO V/AU
L13          116 S E3-E4

=> s l10 or l11 or l12 or l13
L14          653 L10 OR L11 OR L12 OR L13

=> s l6 and l14
L15            1 L6 AND L14

=> d all
```

L15 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:921847 HCAPLUS
DN 138:21347
ED Entered STN: 04 Dec 2002
TI Identification, **cloning**, characterization and cDNA and genomic sequences of a **human thymidylate kinase** subfamily member
IN Wei, Ming-Hui; Ketchum, Karen A.; Beasley, Ellen M.; **Difrancesco, Valentina**
PA PE Corporation (NY), USA
SO U.S., 49 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM C12N009-12
ICS C12N001-20; C12N015-00; C12N005-00; C07H021-04
NCL 435194000; 435320100; 435325000; 435252300; 435006000; 536023200
CC 7-5 (Enzymes)
Section cross-reference(s): 3, 13
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6489153	B1	20021203	US 2001-984880	20011031
	US 2003087294	A1	20030508	US 2002-277032	20021022
	US 6664087	B2	20031216		
	WO 2003048303	A2	20030612	WO 2002-US34872	20021031
	WO 2003048303	A3	20040122		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1451312	A2	20040901	EP 2002-804411	20021031
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	US 2004081999	A1	20040429	US 2003-681223	20031009
PRAI	US 2001-984880	A3	20011031		
	US 2002-277032	A3	20021022		
	WO 2002-US34872	W	20021031		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 6489153	ICM	C12N009-12
	ICS	C12N001-20; C12N015-00; C12N005-00; C07H021-04
	NCL	435194000; 435320100; 435325000; 435252300; 435006000; 536023200
US 2003087294	ECLA	C12N009/12; C12N009/12B4
US 2004081999	ECLA	C12N009/12; C12N009/12B4

AB The present invention discloses genomic, cDNA and encoded amino acid sequences of the **thymidylate kinase** subfamily member of **human**. Chromosomal mapping, exon-intron structure, **expression** profile and SNPs of gene encoding the **thymidylate kinase** homolog are provided. Structural motifs of the polypeptide are also provided. The present invention specifically provides isolated peptide and nucleic acid mols., methods of identifying orthologs and paralogs of the **kinase** peptides, and methods of identifying modulators of the **kinase** peptides.
ST **thymidylate kinase** homolog gene cDNA sequence **human**

IT Genetic element
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(exon; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Animal tissue
(**expression** profile; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Genetic methods
(gene discovery; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Chromosome
(**human** 2, **thymidylate kinase** gene mapping to; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT DNA sequences
Genetic mapping
Human
Molecular **cloning**
Plasmid vectors
Protein motifs
Protein sequences
Viral vectors
cDNA sequences
(identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Genetic element
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(intron; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Genetic polymorphism
(single nucleotide; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Gene, animal
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
(**thymidylate kinase**-encoding; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT Bacteriophage
(vector; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT 477825-94-8P
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
(amino acid sequence; identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate kinase** subfamily member)

IT 9014-43-1P, **Thymidylate kinase**
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
(identification, **cloning**, characterization and cDNA and genomic sequences of **human thymidylate**

```
        kinase subfamily member)
IT   477825-92-6   477825-93-7
     RL: BSU (Biological study, unclassified); BUU (Biological use,
     unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
        (nucleotide sequence; identification, cloning,
        characterization and cDNA and genomic sequences of human
        thymidylate kinase subfamily member)
IT   477825-95-9
     RL: PRP (Properties)
        (unclaimed protein sequence; identification, cloning,
        characterization and cDNA and genomic sequences of a human
        thymidylate kinase subfamily member)
RE.CNT  1     THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Kawai; Nature 2001, V409, P685


=> d his

     (FILE 'HOME' ENTERED AT 14:25:51 ON 28 OCT 2004)

     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 14:26:16 ON 28 OCT 2004
L1      1248762 S KINASE?
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L6          602 S HUMAN AND L5
L7         2771 S "P-LOOP"
L8            2 S L6 AND L7
L9            2 DUP REM L8 (0 DUPLICATES REMOVED)
                E WEI M H/AU
L10         135 S E3
                E KETCHUM K A/AU
L11         229 S E3
                E BEASLEY E M/AU
L12         312 S E3
                E DIFRANCESCO V/AU
L13         116 S E3-E4
L14         653 S L10 OR L11 OR L12 OR L13
L15           1 S L6 AND L14

=> s l1 and l15
L16           1 L1 AND L15

=> s l1(a) l3
L17        1353 L1(A) L3

=> s l2 and l17
L18         349 L2 AND L17

=> s human and l18
   7 FILES SEARCHED...
L19         146 HUMAN AND L18

=> dup rem l19
PROCESSING COMPLETED FOR L19
L20          86 DUP REM L19 (60 DUPLICATES REMOVED)

=> d 1-86 ibib

L20   ANSWER 1 OF 86  BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
      DUPLICATE 1
```

ACCESSION NUMBER: 2004-08147 BIOTECHDS
TITLE: New A **recombinant** host cell line comprising a **thymidylate kinase** gene and/or thymidylate synthase gene that have been functionally complemented by at least one functional homologue of another organism, useful in activity testing;
vector **expression** in host cell for use in activity testing
AUTHOR: CHAPERON D
PATENT ASSIGNEE: CHAPERON D
PATENT INFO: WO 2004011627 5 Feb 2004
APPLICATION INFO: WO 2003-IB2966 24 Jul 2003
PRIORITY INFO: US 2002-398948 25 Jul 2002; US 2002-398948 25 Jul 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-143854 [14]

L20 ANSWER 2 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 2004:631197 HCAPLUS
Correction of: 2004:355089
DOCUMENT NUMBER: 141:119052
Correction of: 140:387549
TITLE: Proteins and cDNA associated with cancers and their use in diagnosis and treatment of cancers
INVENTOR(S): Lee, Soojin; Koh, Sang Seok; Lee, Bogman; Chung, Hyun-ho; Choo, Seung-ho; Yang, Doo Seok
PATENT ASSIGNEE(S): LG Life Sciences Ltd., S. Korea
SOURCE: PCT Int. Appl., 187 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004035789	A1	20040429	WO 2003-KR2161	20031016
WO 2004035789	C2	20040722		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:		
US 2002-419911P	P	20021018
US 2002-419912P	P	20021018
US 2002-420088P	P	20021018
US 2002-434243P	P	20021216
US 2002-434278P	P	20021216
US 2003-438278P	P	20030103

L20 ANSWER 3 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2004-17966 BIOTECHDS
TITLE: Crystallized **recombinant thymidylate kinase** from Enterococcus faecalis or Staphylococcus aureus, for designing potential modulator for preventing or treating Enterococcus faecalis or Staphylococcus aureus, related disease;
crystallized **recombinant thymidylate**-

kinase for drug screening and disease therapy
AUTHOR: EDWARDS A; DHARAMSI A; VEDADI M; DOMAGALA M; PINDER B; ALAM M Z; NETHERY K; HOUSTON S; BUZADZIJA K; TAI M
PATENT ASSIGNEE: AFFINIUM PHARM INC
PATENT INFO: WO 2004042045 21 May 2004
APPLICATION INFO: WO 2003-CA1674 5 Nov 2003
PRIORITY INFO: US 2002-423802 5 Nov 2002; US 2002-423802 5 Nov 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2004-506905 [48]

L20 ANSWER 4 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:287758 HCAPLUS
DOCUMENT NUMBER: 140:302345
TITLE: Genes showing altered patterns of **expression** in the central nervous system in multiple sclerosis and their diagnostic and therapeutic use
INVENTOR(S): Dangond, Fernando; Hwang, Daehee; Gullans, Steven R.
PATENT ASSIGNEE(S): Brigham and Women's Hospital, Inc., USA
SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004028339	A2	20040408	WO 2003-US29451	20030925
WO 2004028339	A3	20040805		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004156826	A1	20040812	US 2003-670766	20030925
PRIORITY APPLN. INFO.:			US 2002-414219P P	20020927

L20 ANSWER 5 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:162616 HCAPLUS
DOCUMENT NUMBER: 140:212062
TITLE: Use of murine genomic regions identified to be involved in tumor development for the development of anti-cancer drugs and diagnosis of cancer
INVENTOR(S): Touw, Ivo Paul; Delwel, Hendrik Rudolf; Lowenberg, Bob; Valk, Peter Jacobus Maria
PATENT ASSIGNEE(S): Erasmus University Medical Center Rotterdam, Neth.
SOURCE: PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004016317	A1	20040226	WO 2003-NL583	20030814
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
SK, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG

EP 1393776 A1 20040303 EP 2002-78358 20020814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

PRIORITY APPLN. INFO.: EP 2002-78358 A2 20020814
US 2002-252132 A2 20020919

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 6 OF 86 MEDLINE on STN DUPLICATE 3
ACCESSION NUMBER: 2004302456 MEDLINE
DOCUMENT NUMBER: PubMed ID: 15205349
TITLE: p14ARF **expression** increases dihydrofolate reductase degradation and paradoxically results in resistance to folate antagonists in cells with nonfunctional p53.
AUTHOR: Magro Pellegrino G; Russo Angelo J; Li Wei-Wei; Banerjee Debabrata; Bertino Joseph R
CORPORATE SOURCE: Joan and Sanford I. Weill Graduate School of Medical Sciences of Cornell University, and Memorial Sloan Kettering Cancer Center, New York, NY, USA.
CONTRACT NUMBER: CA08010 (NCI)
SOURCE: Cancer research, (2004 Jun 15) 64 (12) 4338-45. Journal code: 2984705R. ISSN: 0008-5472.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200408
ENTRY DATE: Entered STN: 20040624
Last Updated on STN: 20040807
Entered Medline: 20040806

L20 ANSWER 7 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 4
ACCESSION NUMBER: 2003-23497 BIOTECHDS
TITLE: New polynucleotide and its encoded **thymidylate kinase** (TK), useful for identifying modulators of TK activity (e.g. agonists or antagonists) that provides therapeutic effects, and in gene therapy for treating cancers
;
human recombinant protein production for diagnosis
AUTHOR: LIOU J
PATENT ASSIGNEE: BAYER AG
PATENT INFO: WO 2003064642 7 Aug 2003
APPLICATION INFO: WO 2003-EP783 27 Jan 2003
PRIORITY INFO: US 2002-428711 25 Nov 2002; US 2002-351424 28 Jan 2002
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-646151 [61]

L20 ANSWER 8 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-15460 BIOTECHDS
TITLE: Identifying cells with an altered copy number of a nucleic

acid of interest comprises screening cells for an alteration in the copy number of the nucleic acid of interest using an amplifiable nucleic acid linked to a reporter nucleic acid; involving vector plasmid pNK-mediated gene transfer and **expression** in Chinese hamster oavry cell culture

AUTHOR: SUNSTROM N; BAILEY C G
PATENT ASSIGNEE: UNISEARCH LTD
PATENT INFO: WO 2003029461 10 Apr 2003
APPLICATION INFO: WO 2002-AU1352 3 Oct 2002
PRIORITY INFO: AU 2001-8051 3 Oct 2001; AU 2001-8051 3 Oct 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-371999 [35]

L20 ANSWER 9 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2003-17663 BIOTECHDS
TITLE: Infecting a neoplasm in a **human** with a virus comprises administering an interferon-sensitive, replication-competent **clonal** RNA virus, vaccinia virus or DNA virus to the **human**; the use of **recombinant** virus for use in disease therapy and gene therapy
AUTHOR: ROBERTS M S; LORENCE R M; GROENE W S; RABIN H; VON BORSTEL R W
PATENT ASSIGNEE: PRO-VIRUS INC
PATENT INFO: US 2003044384 6 Mar 2003
APPLICATION INFO: US 2002-44955 15 Jan 2002
PRIORITY INFO: US 2002-44955 15 Jan 2002; US 1997-948244 9 Oct 1997
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-456548 [43]

L20 ANSWER 10 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:972197 HCAPLUS
DOCUMENT NUMBER: 140:24173
TITLE: **Human** cDNA sequences and their encoded proteins and diagnostic and therapeutic uses
INVENTOR(S): Alsobrook, John P., II; Anderson, David W.; Baumgartner, Jason C.; Berghs, Constance; Boldog, Ferenc L.; Burgess, Catherine E.; Casman, Stacie J.; Catterton, Elina; Dhanabal, Mohanraj; Edinger, Shlomit R.
PATENT ASSIGNEE(S): Curagen Corporation, USA
SOURCE: PCT Int. Appl., 1503 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 142
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003102159	A2	20031211	WO 2003-US17573	20030604

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2004029226	A1	20040212	US 2003-383201		20030306
PRIORITY APPLN. INFO.:			US 2002-385490P	P	20020604
			US 2002-385615P	P	20020604
			US 2002-385755P	P	20020604
			US 2002-386041P	P	20020605
			US 2002-386355P	P	20020606
			US 2002-386357P	P	20020606
			US 2002-386447P	P	20020606
			US 2002-386459P	P	20020606
			US 2002-386465P	P	20020606
			US 2002-386864P	P	20020606
			US 2002-386701P	P	20020607
			US 2002-386796P	P	20020607
			US 2002-386931P	P	20020607
			US 2002-387078P	P	20020607
			US 2002-387081P	P	20020607
			US 2002-387083P	P	20020607
			US 2002-387429P	P	20020610
			US 2002-387540P	P	20020610
			US 2002-387866P	P	20020610
			US 2002-387606P	P	20020611
			US 2002-387610P	P	20020611
			US 2002-387659P	P	20020611
			US 2002-387668P	P	20020611
			US 2002-387696P	P	20020611
			US 2002-387859P	P	20020611
			US 2002-387934P	P	20020612
			US 2002-387960P	P	20020612
			US 2002-388022P	P	20020612
			US 2002-388096P	P	20020612
			US 2002-388432P	P	20020612
			US 2002-388479P	P	20020612
			US 2002-389123P	P	20020613
			US 2002-389120P	P	20020614
			US 2002-389146P	P	20020614
			US 2002-389742P	P	20020617
			US 2002-389604P	P	20020618
			US 2002-389884P	P	20020618
			US 2002-51874	A	20020116
			US 2002-361974P	P	20020306
			US 2002-93463	A	20020308
			US 2002-365034P	P	20020315
			US 2002-365477P	P	20020319
			US 2002-365884P	P	20020320
			US 2002-365984P	P	20020320
			US 2002-365985P	P	20020320
			US 2002-366928P	P	20020322
			US 2002-372018P	P	20020412
			US 2002-372022P	P	20020412
			US 2002-374682P	P	20020423
			US 2002-389143P	P	20020614
			US 2002-391779P	P	20020626
			US 2002-403743P	P	20020815
			US 2002-410755P	P	20020913
			US 2002-412957P	P	20020923
			US 2002-420382P	P	20021022

L20 ANSWER 11 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:837370 HCAPLUS
DOCUMENT NUMBER: 139:333972
TITLE: Gene profiling methods of diagnosing potential for metastasis or developing hepatocellular carcinoma and of identifying therapeutic targets
INVENTOR(S): Wang, Xin Wei; Ye, Qing-hai; Kim, Jin Woo

PATENT ASSIGNEE(S): The Government of the United States of America, as Represented by the Secretary of the Department of Health and Human Services, USA
SOURCE: PCT Int. Appl., 141 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003087766	A2	20031023	WO 2003-US10783	20030404
WO 2003087766	A3	20040729		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-370895P P 20020405

L20 ANSWER 12 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:757866 HCAPLUS
DOCUMENT NUMBER: 139:259961
TITLE: Engineering drug-sensitive smallpox virus vaccines containing thymidine kinase and **thymidylate kinase** fusion proteins for use in activation of drugs preventing viral replication and treatment of vaccine-induced disease
INVENTOR(S): Falker, Falko-guenter; Holzer, Georg; Coulibaly, Sogue; Mayrhofer, Josef
PATENT ASSIGNEE(S): Baxter International Inc., USA; Baxter Healthcare S.A.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003078640	A2	20030925	WO 2003-EP2696	20030314
WO 2003078640	A3	20031218		
WO 2003078640	C1	20040129		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003228330	A1	20031211	US 2003-388234	20030314

PRIORITY APPLN. INFO.: US 2002-364117P P 20020315

L20 ANSWER 13 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:678972 HCAPLUS
DOCUMENT NUMBER: 139:192567
TITLE: Sequences of a **human** zinc protease signature-containing protein and uses in diagnosis, therapy and drug screening
INVENTOR(S): Liou, Jiing-Ren
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003070929	A1	20030828	WO 2003-EP1616	20030218

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2002-357255P P 20020219
US 2002-384384P P 20020603
US 2002-405303P P 20020823
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 14 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:320041 HCAPLUS
DOCUMENT NUMBER: 138:335903
TITLE: Identification of genes **expressed** in skeletal muscle associated with abnormal glucose tolerance for diagnosis of type 2 diabetes mellitus using microarrays
INVENTOR(S): Lindgren, Cecilia M.; Hirschhorn, Joel N.; Tamayo, Pablo; Daly, Mark J.; Lander, Eric S.; Altshuler, David M.
PATENT ASSIGNEE(S): Whitehead Institute for Biomedical Research, USA; The General Hospital Corporation; University of Lund
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033676	A2	20030424	WO 2002-US33524	20021017

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-330147P P 20011017

L20 ANSWER 15 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:282721 HCAPLUS

DOCUMENT NUMBER: 138:298820

TITLE: Plasmid vectors with sequences for replication of competent viruses and uses for gene therapy

INVENTOR(S): Aguilar-Cordova, Carlos Estuardo

PATENT ASSIGNEE(S): USA

SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003029433	A2	20030410	WO 2002-US31871	20021004
WO 2003029433	A3	20030814		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004086485	A1	20040506	US 2002-264839	20021004
EP 1442125	A2	20040804	EP 2002-784026	20021004
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				

PRIORITY APPLN. INFO.: US 2001-327179P P 20011004
WO 2002-US31871 W 20021004

L20 ANSWER 16 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:97543 HCAPLUS

DOCUMENT NUMBER: 138:164839

TITLE: **Human** cDNA sequences and their encoded proteins and diagnostic and therapeutic uses

INVENTOR(S): Miller, Charles E.; Kekuda, Ramesh; Malyankar, Uriel M.; Li, Li; Pena, Carol E. A.; Spytek, Kimberly A.; Gorman, Linda; Guo, Xiaojia; Fernandes, Elma R.; Smithson, Glennda; Stone, David J.; Zerhusen, Bryan D.; Patturajan, Meera; Anderson, David W.; Mezes, Peter S.; Peyman, John A.; MacDougall, John R.; Padigaru, Muralidhara; Rastelli, Luca; Suresh, G.; Gerlach, Valerie L.; Shimkets, Richard A.; Zhong, Mei; Edinger, Shlomit R.; Ellerman, Karen

PATENT ASSIGNEE(S): Curagen Corporation, USA

SOURCE: PCT Int. Appl., 748 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 142

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2003010327 A2 20030206 WO 2002-US14199 20020502
WO 2003010327 A3 20031224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.:

US 2001-288063P	P	20010502
US 2001-288395P	P	20010503
US 2001-289087P	P	20010507
US 2001-289817P	P	20010509
US 2001-289818P	P	20010509
US 2001-290194P	P	20010511
US 2001-290753P	P	20010514
US 2001-291181P	P	20010515
US 2001-291243P	P	20010516
US 2001-292001P	P	20010518
US 2001-292374P	P	20010521
US 2001-292587P	P	20010522
US 2001-293107P	P	20010523
US 2001-293747P	P	20010525
US 2001-294109P	P	20010529
US 2001-294110P	P	20010529
US 2001-294434P	P	20010530
US 2001-294827P	P	20010531
US 2001-304879P	P	20010712
US 2001-308901P	P	20010731

L20 ANSWER 17 OF 86 MEDLINE on STN DUPLICATE 5
ACCESSION NUMBER: 2003382034 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12918113
TITLE: Identification of H. pylori strain specific DNA sequences between two clinical isolates from NUD and gastric ulcer by SSH.
AUTHOR: Han Feng-Chan; Gong Min; Ng Han-Chong; Ho Bow
CORPORATE SOURCE: Department of Microbiology, Faculty of Medicine, National University of Singapore.. biohanfc@hotmail.com
SOURCE: World journal of gastroenterology : WJG, (2003 Aug) 9 (8) 1747-51.
Journal code: 100883448. ISSN: 1007-9327.
PUB. COUNTRY: China
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 20030815
Last Updated on STN: 20030925
Entered Medline: 20030924

L20 ANSWER 18 OF 86 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 2003337900 EMBASE
TITLE: Comparative study of purine and pyrimidine nucleoside analogues acting on the **thymidylate kinases** of Mycobacterium tuberculosis and of **humans**.
AUTHOR: Pochet S.; Dugue L.; Labesse G.; Delepierre M.; Munier-Lehmann H.
CORPORATE SOURCE: Dr. H. Munier-Lehmann, Institut Pasteur, Lab. Chim. Struct.

Macromolec., URA CNRS 2185, 28, Rue du Dr Roux, 75724 Paris Cedex 15, France. hmunier@pasteur.fr
SOURCE: ChemBioChem, (4 Aug 2003) 4/8 (742-747).
Refs: 33
ISSN: 1439-4227 CODEN: CBCHFX
COUNTRY: Germany
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L20 ANSWER 19 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2002-15600 BIOTECHDS
TITLE: New tmk gene of Coryneform bacteria, useful when suppressed, for increasing fermentative production of L-amino acids, encodes a **thymidylate kinase**; L-lysine production by **recombinant** Corynebacterium glutamicum useful for food, medicine and pharmaceutical industry
AUTHOR: FARWICK M; HUTHMACHER K; MARX A; PFEFFERLE W
PATENT ASSIGNEE: DEGUSSA AG
PATENT INFO: DE 10140095 28 Mar 2002
APPLICATION INFO: DE 2000-1040095 19 Sep 2000
PRIORITY INFO: DE 2000-1046235 19 Sep 2000
DOCUMENT TYPE: Patent
LANGUAGE: German
OTHER SOURCE: WPI: 2002-341601 [38]

L20 ANSWER 20 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:637880 HCAPLUS
DOCUMENT NUMBER: 137:179893
TITLE: Methods for identifying compounds that inhibit or reduce PTP1B (protein tyrosine phosphatase 1B) **expression**
INVENTOR(S): Zinker, Bradley A.; Trevillyan, James M.; Jirousek, Michael R.; Rondinone, Christina M.; Cowsert, Lex M.; Wyatt, Jacqueline; Monia, Brett P.; Butler, Madeline M.; Waring, Jeffrey French
PATENT ASSIGNEE(S): Abbott Laboratories, USA; Isis Pharmaceuticals, Inc.
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2002064840	A2	20020822	WO 2002-US4194		20020213
WO 2002064840	A3	20031224			
W: CA, JP, MX					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR					
US 2003108883	A1	20030612	US 2002-74194		20020212
PRIORITY APPLN. INFO.:			US 2001-268399P	P	20010213
			US 2002-74194	A	20020212

L20 ANSWER 21 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:449925 HCAPLUS
DOCUMENT NUMBER: 137:31583
TITLE: Methods and compositions for the identification, assessment and therapy of **human** cancers by

detection of sensitivity genes
INVENTOR(S): Pusztai, Lajos
PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002046471	A2	20020613	WO 2001-US41670	20010809
WO 2002046471	A3	20030515		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001091256	A5	20020618	AU 2001-91256	20010809
PRIORITY APPLN. INFO.:			US 2000-733853 A	20001208
			WO 2001-US41670 W	20010809

L20 ANSWER 22 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:921847 HCAPLUS
DOCUMENT NUMBER: 138:21347
TITLE: Identification, **cloning**, characterization and cDNA and genomic sequences of a **human thymidylate kinase** subfamily member
INVENTOR(S): Wei, Ming-Hui; Ketchum, Karen A.; Beasley, Ellen M.; Difrancesco, Valentina
PATENT ASSIGNEE(S): PE Corporation (NY), USA
SOURCE: U.S., 49 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6489153	B1	20021203	US 2001-984880	20011031
US 2003087294	A1	20030508	US 2002-277032	20021022
US 6664087	B2	20031216		
WO 2003048303	A2	20030612	WO 2002-US34872	20021031
WO 2003048303	A3	20040122		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1451312	A2	20040901	EP 2002-804411	20021031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2004081999	A1	20040429	US 2003-681223	20031009

PRIORITY APPLN. INFO.: US 2001-984880 A3 20011031
US 2002-277032 A3 20021022
WO 2002-US34872 W 20021031
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 23 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:501603 HCAPLUS
DOCUMENT NUMBER: 139:48200
TITLE: Protein and cDNA sequences of 9.68-kilodalton **human thymidylate kinase** -like protein and their therapeutic uses
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 32 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1361263	A	20020731	CN 2000-135938	20001226

PRIORITY APPLN. INFO.: CN 2000-135938 20001226

L20 ANSWER 24 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:52471 HCAPLUS
DOCUMENT NUMBER: 136:350221
TITLE: Molecular determinants of terminal growth arrest induced in tumor cells by a chemotherapeutic agent
AUTHOR(S): Chang, Bey-Dih; Swift, Mari E.; Shen, Mei; Fang, Jing; Broude, Eugenia V.; Roninson, Igor B.
CORPORATE SOURCE: Department of Molecular Genetics, University of Illinois, Chicago, IL, 60607-7170, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (2002), 99(1), 389-394
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 25 OF 86 MEDLINE on STN
ACCESSION NUMBER: 2002192998 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11923581
TITLE: Ethanol decreases the efficiency of phosphorylation of thymidine kinase in a **human** T-lymphocytic cell line.
AUTHOR: Prakash Om; Tang Zhen-Ya; Zhou Peng; Peng Xiaochan; Kolls Jay; Shellito Judd E; Nelson Steve
CORPORATE SOURCE: Laboratory of Molecular Oncology, Alton Ochsner Medical Foundation, 1516 Jefferson Highway, New Orleans, Louisiana 70121, USA.. oprakash@ochsner.org
CONTRACT NUMBER: AA 09803 (NIAAA)
SOURCE: Alcoholism, clinical and experimental research, (2002 Mar) 26 (3) 295-302.
Journal code: 7707242. ISSN: 0145-6008.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY MONTH: 200207
ENTRY DATE: Entered STN: 20020404
Last Updated on STN: 20020726
Entered Medline: 20020725

L20 ANSWER 26 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:46162 HCAPLUS
DOCUMENT NUMBER: 140:315947
TITLE: **Cloning**, sequencing and structural evolution analysis of the thymidine kinase gene of a wild Chinese PRV LA strain
AUTHOR(S): Fan, Weixing; Zhang, Xuelian; Zhao, Hongkun; Chen, Puyan
CORPORATE SOURCE: College of Veterinary Medicine, Nanjing Agricultural University, Nanjing, 210095, Peop. Rep. China
SOURCE: Bingdu Xuebao (2002), 18(3), 249-258
CODEN: BIXUEA; ISSN: 1000-8721
PUBLISHER: Bingdu Xuebao Bianjibu
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L20 ANSWER 27 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:70927 HCAPLUS
DOCUMENT NUMBER: 136:245361
TITLE: Global gene **expression** analysis of gastric cancer by oligonucleotide microarrays
AUTHOR(S): Hippo, Yoshitaka; Taniguchi, Hirokazu; Tsutsumi, Shuichi; Machida, Naoko; Chong, Ja-Mun; Fukayama, Masashi; Kodama, Tatsuhiko; Aburatani, Hiroyuki
CORPORATE SOURCE: Genome Science Division, The University of Tokyo, Tokyo, 153-8904, Japan
SOURCE: Cancer Research (2002), 62(1), 233-240
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 28 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:918600 HCAPLUS
DOCUMENT NUMBER: 136:395365
TITLE: S-acyl-2-thioethyl (SATE) pronucleotides are potent inhibitors of HIV-1 replication in T-lymphoid cells cross-resistant to deoxycytidine and thymidine analogs
AUTHOR(S): Groschel, B.; Cinatl, J.; Perigaud, C.; Gosselin, G.; Imbach, J.-L.; Doerr, H. W.; Cinatl, J.
CORPORATE SOURCE: Johann Wolfgang Goethe University Frankfurt/M., Institute of Medical Virology, Frankfurt M., 60596, Germany
SOURCE: Antiviral Research (2002), 53(2), 143-152
CODEN: ARSRDR; ISSN: 0166-3542
PUBLISHER: Elsevier Science B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 29 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:885830 HCAPLUS
DOCUMENT NUMBER: 136:11098
TITLE: Chimeric viral vectors for gene therapy
INVENTOR(S): Aguilar-Cordova, Estuardo
PATENT ASSIGNEE(S): Baylor College of Medicine, USA

SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001091802	A1	20011206	WO 2001-US17453	20010530

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2000-207845P P 20000530
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 30 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:627979 HCAPLUS
DOCUMENT NUMBER: 136:363331
TITLE: Thymidylate synthase (TS) and ribonucleotide reductase (RNR) may be involved in acquired resistance to 5-fluorouracil (5-FU) in **human** cancer xenografts in vivo
AUTHOR(S): Fukushima, M.; Fujioka, A.; Uchida, J.; Nakagawa, F.; Takechi, T.
CORPORATE SOURCE: The Second Cancer Laboratory, Taiho Pharmaceutical Co., Ltd., Hanno, Saitama, 357-8527, Japan
SOURCE: European Journal of Cancer (2001), 37(13), 1681-1687
CODEN: EJCAEL; ISSN: 0959-8049
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 31 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:612457 HCAPLUS
DOCUMENT NUMBER: 135:327709
TITLE: Splenomegaly induced by **recombinant** **human** granulocyte-colony stimulating factor in rats
AUTHOR(S): Nakayama, T.; Kudo, H.; Suzuki, S.; Sassa, S.; Mano, Y.; Sakamoto, S.
CORPORATE SOURCE: School of Allied Health Sciences, Faculty of Medicine, Tokyo Medical and Dental University, Tokyo, 113-8510, Japan
SOURCE: Life Sciences (2001), 69(13), 1521-1529
CODEN: LIFSAK; ISSN: 0024-3205
PUBLISHER: Elsevier Science Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 32 OF 86 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 2001308818 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11309351

TITLE: Thymidine **kinase**, **thymidylate** synthase, and dihydropyrimidine dehydrogenase profiles of cell lines of the National Cancer Institute's Anticancer Drug Screen.
AUTHOR: Grem J L; Danenberg K D; Behan K; Parr A; Young L; Danenberg P V; Nguyen D; Drake J; Monks A; Allegra C J
CORPORATE SOURCE: Developmental Therapeutics Department, Medicine Branch, Division of Clinical Sciences, National Cancer Institute at the National Naval Medical Center, Bethesda, Maryland 20889, USA.
SOURCE: Clinical cancer research : an official journal of the American Association for Cancer Research, (2001 Apr) 7 (4) 999-1009.
Journal code: 9502500. ISSN: 1078-0432.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200106
ENTRY DATE: Entered STN: 20010618
Last Updated on STN: 20010618
Entered Medline: 20010614

L20 ANSWER 33 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 2002:1886 BIOSIS
DOCUMENT NUMBER: PREV200200001886
TITLE: Characterization of **human thymidylate kinase**.
AUTHOR(S): Li, Ling [Reprint author]; Dutschman, Ginger; Lam, Wing; Jiang, Zaoli; Cheng, Yung-Chi
CORPORATE SOURCE: Yale University School of Medicine, New Haven, CT, USA
SOURCE: Proceedings of the American Association for Cancer Research Annual Meeting, (March, 2001) Vol. 42, pp. 898-899. print.
Meeting Info.: 92nd Annual Meeting of the American Association for Cancer Research. New Orleans, LA, USA. March 24-28, 2001.
ISSN: 0197-016X.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 28 Dec 2001
Last Updated on STN: 25 Feb 2002

L20 ANSWER 34 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 2001:492473 BIOSIS
DOCUMENT NUMBER: PREV200100492473
TITLE: Zidovudine (AZT) resistance in H9 cells due to decreased TK **expression** is associated with hypermethylation of TK gene.
AUTHOR(S): Groeschel, B. [Reprint author]; Hoever, G.; Doerr, H. W.; Cinatl, J., Jr.
CORPORATE SOURCE: Institute of Medical Virology, Johann Wolfgang Goethe University, Frankfurt/M., Germany
SOURCE: Nucleosides Nucleotides and Nucleic Acids, (2001) Vol. 20, No. 4-7, pp. 487-492. print.
ISSN: 1525-7770.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 24 Oct 2001
Last Updated on STN: 23 Feb 2002

L20 ANSWER 35 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 2002:186461 BIOSIS
DOCUMENT NUMBER: PREV200200186461
TITLE: Cytosolic 5'-nucleotidase I as a mediator of AZT toxicity in HEK 293 cells.
AUTHOR(S): Hunsucker, Sally Anne [Reprint author]; Spychala, Jozef [Reprint author]; Mitchell, Beverly S. [Reprint author]
CORPORATE SOURCE: Department of Pharmacology, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA
SOURCE: Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 312a-313a. print.
Meeting Info.: 43rd Annual Meeting of the American Society of Hematology, Part 1. Orlando, Florida, USA. December 07-11, 2001. American Society of Hematology.
CODEN: BLOOAW. ISSN: 0006-4971.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 13 Mar 2002
Last Updated on STN: 13 Mar 2002

L20 ANSWER 36 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 2002:555527 BIOSIS
DOCUMENT NUMBER: PREV200200555527
TITLE: Emergence of drug-resistant herpes simplex virus type 1 (HSV-1) under single-round selection with high-dose brivudin (BVDU).
AUTHOR(S): Snoeck, R. [Reprint author]; Andrei, G. [Reprint author]; De Clercq, E. [Reprint author]; Balzarini, J. [Reprint author]
CORPORATE SOURCE: Rega Inst. Med. Res., Univ. Leuven, Leuven, Belgium
SOURCE: Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy, (2001) Vol. 41, pp. 309. print.
Meeting Info.: 41st Annual Meeting of the Interscience Conference on Antimicrobial Agents and Chemotherapy. Chicago, Illinois, USA. September 22-25, 2001.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 30 Oct 2002
Last Updated on STN: 30 Oct 2002

L20 ANSWER 37 OF 86 MEDLINE on STN DUPLICATE 7
ACCESSION NUMBER: 2001178545 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11160865
TITLE: Mutation of Gln125 to Asn selectively abolishes the **thymidylate kinase** activity of herpes simplex virus type 1 thymidine kinase.
AUTHOR: Degreve B; Esnouf R; De Clercq E; Balzarini J
CORPORATE SOURCE: Rega Institute for Medical Research, Laboratory of Virology and Chemotherapy, Leuven, Belgium.
SOURCE: Molecular pharmacology, (2001 Feb) 59 (2) 285-93.
Journal code: 0035623. ISSN: 0026-895X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200103
ENTRY DATE: Entered STN: 20010404
Last Updated on STN: 20010404
Entered Medline: 20010329

L20 ANSWER 38 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN

ACCESSION NUMBER: 2001:373140 SCISEARCH
THE GENUINE ARTICLE: 428BK
TITLE: Deoxynucleoside anabolic enzyme levels in acute myelocytic leukemia and chronic lymphocytic leukemia cells
AUTHOR: Jacobsson B; Albertioni F; Eriksson S (Reprint)
CORPORATE SOURCE: Huddinge Hosp, Dept Infect Dis, SE-14186 Huddinge, Sweden (Reprint); Karolinska Hosp, Dept Clin Pharm & Med, SE-17177 Stockholm, MI, Sweden; Univ Agr Sci, Dept Vet Med Chem, SE-75123 Uppsala, Sweden
COUNTRY OF AUTHOR: Sweden
SOURCE: CANCER LETTERS, (26 APR 2001) Vol. 165, No. 2, pp. 195-200

Publisher: ELSEVIER SCI IRELAND LTD, CUSTOMER RELATIONS MANAGER, BAY 15, SHANNON INDUSTRIAL ESTATE CO, CLARE, IRELAND.
ISSN: 0304-3835.
DOCUMENT TYPE: Article; Journal
LANGUAGE: English
REFERENCE COUNT: 30
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 39 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:619903 HCAPLUS
DOCUMENT NUMBER: 136:181505
TITLE: Clinical value of thymidine kinase in patients with cervical carcinoma
AUTHOR(S): Fujiwaki, Ritsuto; Hata, Kohkichi; Moriyama, Masashi; Iwanari, Osamu; Katabuchi, Hidetaka; Okamura, Hitoshi; Miyazaki, Kohji
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Shimane Medical University, Izumo, 693-8501, Japan
SOURCE: Oncology (2001), 61(1), 47-54
CODEN: ONCOBS; ISSN: 0030-2414
PUBLISHER: S. Karger AG
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 40 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:235664 HCAPLUS
DOCUMENT NUMBER: 137:211509
TITLE: Development of a 950-gene DNA array for examining gene **expression** patterns in mouse testis
AUTHOR(S): Rockett, John C.; Luft, J. Christopher; Garges, J. Brian; Krawetz, Stephen A.; Hughes, Mark K.; Kim, Kwan Hee; Oudes, Asa J.; Dix, David J.
CORPORATE SOURCE: Reproductive Toxicology Division, National Health and Environmental Effects Research Laboratory, United States Environmental Protection Agency, Triangle Park, NC, 27711, USA
SOURCE: GenomeBiology [online computer file] (2001), 2(4), No pp. given
CODEN: GNBLFW; ISSN: 1465-6914
URL: http://genomebiology.com/2001/2/4/research/0014
PUBLISHER: BioMed Central Ltd.
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 41 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:756483 HCAPLUS
DOCUMENT NUMBER: 133:325607
TITLE: Treatment of neoplasms with interferon-sensitive viruses
INVENTOR(S): Roberts, Michael S.; Lorence, Robert M.; Groene, William S.; Rabin, Harvey; Von Borstel, Reid W.
PATENT ASSIGNEE(S): Pro-Virus, Inc., USA
SOURCE: PCT Int. Appl., 108 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062735	A2	20001026	WO 2000-US10204	20000417
WO 2000062735	A3	20031127		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2305269	AA	19990422	CA 1998-2305269	19981009
WO 9918799	A1	19990422	WO 1998-US21230	19981009
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9896038	A1	19990503	AU 1998-96038	19981009
EP 1032269	A1	20000906	EP 1998-949797	19981009
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001519175	T2	20011023	JP 2000-515443	19981009
NZ 503664	A	20020828	NZ 1998-503664	19981009
JP 2003530301	T2	20031014	JP 2000-611872	20000417
EP 1390046	A2	20040225	EP 2000-922256	20000417
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 2003044384	A1	20030306	US 2002-44955	20020115
US 2003165465	A1	20030904	US 2002-167652	20020613
PRIORITY APPLN. INFO.:			US 1999-292376 A2	19990415
			US 1997-948244 A	19971009
			US 1998-168883 B1	19981009
			WO 1998-US21230 W	19981009
			WO 2000-US10204 W	20000417

L20 ANSWER 42 OF 86 MEDLINE on STN DUPLICATE 8
ACCESSION NUMBER: 2000213261 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10747801
TITLE: Conservative mutations of glutamine-125 in herpes simplex virus type 1 thymidine kinase result in a ganciclovir kinase with minimal deoxypyrimidine kinase activities.
AUTHOR: Hinds T A; Compadre C; Hurlburt B K; Drake R R
CORPORATE SOURCE: Department of Biochemistry, University of Arkansas for Medical Sciences, Little Rock, Arkansas 72205, USA.

CONTRACT NUMBER: CA77938-01 (NCI)
SOURCE: Biochemistry, (2000 Apr 11) 39 (14) 4105-11.
Journal code: 0370623. ISSN: 0006-2960.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200005
ENTRY DATE: Entered STN: 20000512
Last Updated on STN: 20000512
Entered Medline: 20000502

L20 ANSWER 43 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
ACCESSION NUMBER: 2000-06017 BIOTECHDS
TITLE: Conservative mutations of glutamine-125 in herpes simplex virus type-1 thymidine-kinase result in a ganciclovir-kinase with minimal deoxypyrimidine kinase activities; enzyme engineering, **expression** in mammal cell culture, and potential use in gene therapy
AUTHOR: Hinds R A; Compadre C; Hurlburt B K; *Drake R R
CORPORATE SOURCE: Univ.Arkansas-Med.Sci.
LOCATION: Department of Biochemistry and Molecular Biology, University of Arkansas for Medical Sciences, Little Rock, Arkansas 72205, USA.
Email: drakerickr@exchange.uams.edu
SOURCE: Biochemistry; (2000) 39, 14, 4105-11
CODEN: BICHAW
ISSN: 0006-2960
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 44 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:899969 HCAPLUS
DOCUMENT NUMBER: 134:351381
TITLE: Gene **expression** profiles in thyroid carcinomas
AUTHOR(S): Takano, T.; Hasegawa, Y.; Matsuzuka, F.; Miyauchi, A.; Yoshida, H.; Higashiyama, T.; Kuma, K.; Amino, N.
CORPORATE SOURCE: Department of Laboratory Medicine, Osaka University Medical School, Suita, 565-0871, Japan
SOURCE: British Journal of Cancer (2000), 83(11), 1495-1502
CODEN: BJCAAI; ISSN: 0007-0920
PUBLISHER: Harcourt Publishers Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 45 OF 86 MEDLINE on STN DUPLICATE 9
ACCESSION NUMBER: 2000091323 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10623730
TITLE: **Human** herpesvirus 8 open reading frame 21 is a thymidine and **thymidylate kinase** of narrow substrate specificity that efficiently phosphorylates zidovudine but not ganciclovir.
AUTHOR: Gustafson E A; Schinazi R F; Fingeroth J D
CORPORATE SOURCE: Divisions of Infectious Disease and Experimental Medicine, Beth Israel Deaconess Medical Center, Boston, Massachusetts 02115, USA.
CONTRACT NUMBER: 1F32CA85157 (NCI)
K24CA85083 (NCI)
R01DE12186 (NIDCR)
SOURCE: Journal of virology, (2000 Jan) 74 (2) 684-92.
Journal code: 0113724. ISSN: 0022-538X.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; AIDS
ENTRY MONTH: 200002
ENTRY DATE: Entered STN: 20000218
Last Updated on STN: 20000218
Entered Medline: 20000208

L20 ANSWER 46 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 2000:504989 SCISEARCH
THE GENUINE ARTICLE: 329BE
TITLE: Insights into the phosphoryltransfer mechanism of **human thymidylate kinase** gained from crystal structures of enzyme complexes along the reaction coordinate
AUTHOR: Ostermann N; Schlichting I; Brundiers R; Konrad M; Reinstein J; Veit T; Goody R S (Reprint); Lavie A
CORPORATE SOURCE: MAX PLANCK INST MOL PHYSIOL, DEPT PHYS BIOCHEM, OTTO HAHN STR 11, D-44227 DORTMUND, GERMANY (Reprint); MAX PLANCK INST MOL PHYSIOL, DEPT PHYS BIOCHEM, D-44227 DORTMUND, GERMANY; MAX PLANCK INST BIOPHYS CHEM, DEPT MOL GENET, D-37018 GOTTINGEN, GERMANY
COUNTRY OF AUTHOR: GERMANY
SOURCE: STRUCTURE WITH FOLDING & DESIGN, (15 JUN 2000) Vol. 8, No. 6, pp. 629-642.
Publisher: CURRENT BIOLOGY LTD, 84 THEOBALDS RD, LONDON WC1X 8RR, ENGLAND.
ISSN: 0969-2126.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 29
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 47 OF 86 MEDLINE on STN DUPLICATE 10
ACCESSION NUMBER: 2000422263 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10949847
TITLE: [Evaluation of the effect of early and massive tritherapy on the **expression** of cellular factors potentially implicated in antiretroviral therapy resistance]. Evaluation de l'effet d'une tritherapie precoce et massive sur l'**expression** des facteurs cellulaires potentiellement impliques dans l'echappement a la therapeutique antiretrovirale.
AUTHOR: Jorajuria S; Clayette P; Dereuddre-Bosquet N; Larghero J; Thiebot H; Neildez O; Vaslin B; Le Grand R; Dormont D
CORPORATE SOURCE: Service de neurovirologie, DSV/DRM, CEA, CRSSA, Fontenay-aux-Roses, France.
SOURCE: Pathologie-biologie, (2000 Jun) 48 (5) 490-4.
Journal code: 0265365. ISSN: 0369-8114.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: French
FILE SEGMENT: Priority Journals; AIDS
ENTRY MONTH: 200009
ENTRY DATE: Entered STN: 20000915
Last Updated on STN: 20000915
Entered Medline: 20000901

L20 ANSWER 48 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 2001:3726 BIOSIS

DOCUMENT NUMBER: PREV200100003726
TITLE: Consequences of SHIV infection and HAART on the **expression** of P-glycoprotein and cellular kinases in blood and lymph nodes of cynomolgus macaques.
AUTHOR(S): Jorajuria, S. [Reprint author]; Clayette, P. [Reprint author]; Dereuddre-Bosquet, N. [Reprint author]; Thiebot, H. [Reprint author]; Neildez, O. [Reprint author]; Vaslin, B. [Reprint author]; Le Grand, R. [Reprint author]; Dormont, D. [Reprint author]
CORPORATE SOURCE: Commissariat a l'Energie Atomique, Fontenay-aux-roses, France
SOURCE: Abstracts of the Interscience Conference on Antimicrobial Agents and Chemotherapy, (2000) Vol. 40, pp. 287. print. Meeting Info.: 40th Interscience Conference on Antimicrobial Agents and Chemotherapy. Toronto, Ontario, Canada. September 17-20, 2000. Interscience Conference on Antimicrobial Agents and Chemotherapy; American Society of Microbiology.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 21 Dec 2000
Last Updated on STN: 21 Dec 2000

L20 ANSWER 49 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:640736 HCAPLUS
DOCUMENT NUMBER: 131:282402
TITLE: Progression elevated gene-3 promoter and its uses for cancer therapy
INVENTOR(S): Fisher, Paul B.
PATENT ASSIGNEE(S): The Trustees of Columbia University In the City of New York, USA
SOURCE: PCT Int. Appl., 253 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9949898	A1	19991007	WO 1999-US7199		19990331
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
US 2001014734	A1	20010816	US 1998-52753		19980331
US 6472520	B2	20021029			
AU 9935480	A1	19991018	AU 1999-35480		19990331
PRIORITY APPLN. INFO.:			US 1998-52753	A	19980331
			US 1997-821818	A2	19970321
			WO 1998-US5793	A2	19980320
			WO 1999-US7199	W	19990331

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 50 OF 86 MEDLINE on STN DUPLICATE 11
ACCESSION NUMBER: 2000054392 MEDLINE

DOCUMENT NUMBER: PubMed ID: 10585390
TITLE: Modifying **human thymidylate kinase** to potentiate azidothymidine activation.
AUTHOR: Brundiers R; Lavie A; Veit T; Reinstein J; Schlichting I; Ostermann N; Goody R S; Konrad M
CORPORATE SOURCE: Department of Molecular Genetics, Max Planck Institute for Biophysical Chemistry, D-37070 Gottingen, Germany.
SOURCE: Journal of biological chemistry, (1999 Dec 10) 274 (50) 35289-92.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; AIDS
ENTRY MONTH: 200001
ENTRY DATE: Entered STN: 20000124
Last Updated on STN: 20000124
Entered Medline: 20000113

L20 ANSWER 51 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:74626 HCAPLUS
DOCUMENT NUMBER: 133:54262
TITLE: T lymphocyte transduction with herpes simplex virus-thymidine kinase (HSV-tk) gene: comparison of four different infection protocols
AUTHOR(S): Di Ianni, Mauro; Di Florio, Sabrina; Venditti, Gigliola; Falzetti, Franca; Mannoni, P.; Martelli, Massimo F.; Tabilio, Antonio
CORPORATE SOURCE: Haematology and Clinical Immunology Section, Perugia University, Perugia, 06122, Italy
SOURCE: Journal of Hematotherapy & Stem Cell Research (1999), 8(6), 645-652
CODEN: JHERFM; ISSN: 1525-8165
PUBLISHER: Mary Ann Liebert, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 52 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:406083 HCAPLUS
DOCUMENT NUMBER: 129:76487
TITLE: A method of increasing the effectiveness of base analogs by gene therapy with a DNA polymerase β gene
INVENTOR(S): Cazaux, Christophe; Tiraby, Jean Gerard; Fons, Pascal; Hoffmann, Jean-Sebastien
PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique (CNRS), Fr.; Cazaux, Christophe; Tiraby, Jean Gerard; Fons, Pascal; Hoffmann, Jean-Sebastien
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9826077	A1	19980618	WO 1997-FR2274	19971211
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2757178	A1	19980619	FR 1996-15343	19961213
FR 2757178	B1	19990305		

EP 944724 A1 19990929 EP 1997-951311 19971211
R: DE, FR, GB, IT
JP 2001512962 T2 20010828 JP 1998-526312 19971211
US 6475996 B1 20021105 US 1999-319265 19990706
PRIORITY APPLN. INFO.: FR 1996-15343 A 19961213
WO 1997-FR2274 W 19971211
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 53 OF 86 MEDLINE on STN DUPLICATE 12
ACCESSION NUMBER: 1998325190 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9658118
TITLE: **Human** thymidine kinase can functionally replace herpes simplex virus type 1 thymidine kinase for viral replication in mouse sensory ganglia and reactivation from latency upon explant.
AUTHOR: Chen S H; Cook W J; Grove K L; Coen D M
CORPORATE SOURCE: Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston, Massachusetts 02115, USA.
CONTRACT NUMBER: PO1 AI24010 (NIAID)
PO1 NS35138 (NINDS)
RO1 AI26126 (NIAID)
+
SOURCE: Journal of virology, (1998 Aug) 72 (8) 6710-5.
Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199808
ENTRY DATE: Entered STN: 19980817
Last Updated on STN: 19980817
Entered Medline: 19980805

L20 ANSWER 54 OF 86 MEDLINE on STN DUPLICATE 13
ACCESSION NUMBER: 1999013573 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9797227
TITLE: The Epstein-Barr virus thymidine kinase does not phosphorylate ganciclovir or acyclovir and demonstrates a narrow substrate specificity compared to the herpes simplex virus type 1 thymidine kinase.
AUTHOR: Gustafson E A; Chillemi A C; Sage D R; Fingeroth J D
CORPORATE SOURCE: Division of Infectious Disease, Dana-Farber Cancer Institute, Boston, Massachusetts, USA.
CONTRACT NUMBER: 5T32A107245-14 (NIDCR)
R01DE12186
SOURCE: Antimicrobial agents and chemotherapy, (1998 Nov) 42 (11) 2923-31.
Journal code: 0315061. ISSN: 0066-4804.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF067142
ENTRY MONTH: 199812
ENTRY DATE: Entered STN: 19990115
Last Updated on STN: 20000303
Entered Medline: 19981204

L20 ANSWER 55 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 1998:195332 BIOSIS
DOCUMENT NUMBER: PREV199800195332

TITLE: Evaluation of genes involved in chemoresistance by reverse transcription-polymerase chain reaction (RT-PCR) in renal cell carcinomas (RCC) and normal renal counterparts.
AUTHOR(S): Oudard, S. [Reprint author]; Pujade-Lauraine, E.; Thiounn, N.; Hu, L.; Bougaran, D.; Levalois, C.; Chevillard, S.
CORPORATE SOURCE: Oncology Unit, Hotel-Dieu de Paris, Paris, France
SOURCE: Proceedings of the American Association for Cancer Research Annual Meeting, (March, 1998) Vol. 39, pp. 214. print.
Meeting Info.: 89th Annual Meeting of the American Association for Cancer Research. New Orleans, Louisiana, USA. March 28-April 1, 1998. American Association for Cancer Research.
ISSN: 0197-016X.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 4 May 1998
Last Updated on STN: 4 May 1998

L20 ANSWER 56 OF 86 MEDLINE on STN DUPLICATE 14
ACCESSION NUMBER: 1998230225 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9570299
TITLE: Phosphorylation and cytotoxicity of therapeutic nucleoside analogues: a comparison of alpha and gamma herpesvirus thymidine kinase suicide genes.
AUTHOR: Cazaux C; Tiraby M; Loubiere L; Haren L; Klatzmann D; Tiraby G
CORPORATE SOURCE: Laboratoire de Microbiologie et de Genetique, Universite Paul Sabatier, Toulouse, France.
SOURCE: Cancer gene therapy, (1998 Mar-Apr) 5 (2) 83-91.
Journal code: 9432230. ISSN: 0929-1903.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; AIDS
ENTRY MONTH: 199806
ENTRY DATE: Entered STN: 19980618
Last Updated on STN: 19980618
Entered Medline: 19980608

L20 ANSWER 57 OF 86 MEDLINE on STN DUPLICATE 15
ACCESSION NUMBER: 1998075435 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9413514
TITLE: Analysis of the non-sense mutants of varicella-zoster virus thymidine kinase.
AUTHOR: Suzutani T; Koyano S; Saijo M; Chiba A; Azuma M
CORPORATE SOURCE: Department of Microbiology, Asahikawa Medical College, Japan.
SOURCE: Archives of virology, (1997) 142 (10) 2059-64.
Journal code: 7506870. ISSN: 0304-8608.
PUB. COUNTRY: Austria
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199801
ENTRY DATE: Entered STN: 19980130
Last Updated on STN: 19980130
Entered Medline: 19980121

L20 ANSWER 58 OF 86 MEDLINE on STN DUPLICATE 16
ACCESSION NUMBER: 97428588 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9281520
TITLE: Use of herpes simplex virus thymidine kinase to improve the antiviral activity of zidovudine.

AUTHOR: Guettari N; Loubiere L; Brisson E; Klatzmann D
CORPORATE SOURCE: Centre National de la Recherche Scientifique, ERS 107, Hopital de la Pitie-Salpetriere, 83, Boulevard de l'hopital, Paris Cedex 13, 75651, France.
SOURCE: Virology, (1997 Sep 1) 235 (2) 398-405.
Journal code: 0110674. ISSN: 0042-6822.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; AIDS
ENTRY MONTH: 199710
ENTRY DATE: Entered STN: 19971105
Last Updated on STN: 19990129
Entered Medline: 19971023

L20 ANSWER 59 OF 86 BIOTECHDS COPYRIGHT 2004 THE THOMSON CORP. on STN
DUPLICATE 17
ACCESSION NUMBER: 1996-09409 BIOTECHDS
TITLE: Suicide gene constructs able to enhance effects of pyrimidine nucleoside analogs;
prodrug activation with thymidine-**kinase**, **thymidylate-kinase**, nucleoside-diphosphate-kinase, cytosine-deaminase or uracil-phosphoribosyltransferase for cancer or AIDS gene therapy
AUTHOR: Tiraby G; Reynes J P; Tiraby M; Cazaux C; Drocourt D
PATENT ASSIGNEE: Cayla
LOCATION: Toulouse, France.
PATENT INFO: WO 9616183 30 May 1996
APPLICATION INFO: WO 1995-FR1511 16 Nov 1995
PRIORITY INFO: US 1994-343923 17 Nov 1994
DOCUMENT TYPE: Patent
LANGUAGE: French
OTHER SOURCE: WPI: 1996-268618 [27]

L20 ANSWER 60 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:747679 HCAPLUS
DOCUMENT NUMBER: 126:55632
TITLE: Nucleotide sequence of the Kaposi sarcoma-associated herpesvirus (HHV8)
AUTHOR(S): Russo, James J.; Bohenzky, Roy A.; Chien, Ming-Cheng; Chen, Jing; Yan, Ming; Maddalena, Dawn; Parry, J. Preston; Peruzzi, Daniela; Edelman, Isidore S.; Chang, Yuan; Moore, Patrick S.
CORPORATE SOURCE: Columbia Genome Cent., Columbia Univ. Coll. Physicians and Surgeons, New York, NY, 10032, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1996), 93(25), 14862-14867
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20 ANSWER 61 OF 86 MEDLINE on STN DUPLICATE 18
ACCESSION NUMBER: 97096332 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8941356
TITLE: Further study of the mechanism underlying the cellular resistance to AZT.
AUTHOR: Turriziani O; Antonelli G; Focher F; Bambacioni F; Dianzani F
CORPORATE SOURCE: Institute of Virology, University La Sapienza, Rome, Italy.
SOURCE: Biochemical and biophysical research communications, (1996

Nov 21) 228 (3) 797-801.
Journal code: 0372516. ISSN: 0006-291X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; AIDS
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 19970128
Entered Medline: 19970106

L20 ANSWER 62 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:10618 HCAPLUS
DOCUMENT NUMBER: 124:83139
TITLE: Splicing signals are required for S-phase regulation of the mouse thymidylate synthase gene
AUTHOR(S): Ke, Yunbo; Ash, John; Johnson, Lee F.
CORPORATE SOURCE: Dep. Mol. Genetics Biochem., Ohio State Univ., Columbus, OH, 43210, USA
SOURCE: Molecular and Cellular Biology (1996), 16(1), 376-83
CODEN: MCEBD4; ISSN: 0270-7306
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 63 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 95:249650 SCISEARCH
THE GENUINE ARTICLE: QQ431
TITLE: PURIFICATION AND PHOTOAFFINITY-LABELING OF HERPES-SIMPLEX VIRUS TYPE-1 THYMIDINE KINASE
AUTHOR: RECHTIN T M; BLACK M E; MAO F; LEWIS M L; DRAKE R R (Reprint)
CORPORATE SOURCE: UNIV ARKANSAS MED SCI HOSP, DEPT BIOCHEM, SLOT 516, 4301 W MARKHAM, LITTLE ROCK, AR, 72205 (Reprint); UNIV ARKANSAS MED SCI HOSP, DEPT BIOCHEM & MOLEC BIOL, LITTLE ROCK, AR, 72205; UNIV WASHINGTON, DEPT PATHOL, JOSEPH GOTTSTEIN MEM CANC RES LAB, SEATTLE, WA, 98195
COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF BIOLOGICAL CHEMISTRY, (31 MAR 1995) Vol. 270, No. 13, pp. 7055-7060.
ISSN: 0021-9258.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 35
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 64 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 95:382274 SCISEARCH
THE GENUINE ARTICLE: RB197
TITLE: A UNIQUE MEMBER OF THE **THYMIDYLATE KINASE** FAMILY THAT IS INDUCED DURING MACROPHAGE ACTIVATION
AUTHOR: LEE C G; OBRIEN W E (Reprint)
CORPORATE SOURCE: BAYLOR COLL MED, DEPT MOLEC & HUMAN GENET, 1 BAYLOR PLAZA, HOUSTON, TX, 77030 (Reprint); BAYLOR COLL MED, DEPT MOLEC & HUMAN GENET, HOUSTON, TX, 77030; BAYLOR COLL MED, DEPT BIOCHEM, HOUSTON, TX, 77030
COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF IMMUNOLOGY, (01 JUN 1995) Vol. 154, No. 11, pp. 6094-6102.
ISSN: 0022-1767.

DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 72
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 65 OF 86 MEDLINE on STN
ACCESSION NUMBER: 96114098 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8845311
TITLE: Molecular characterization of the murine **thymidylate kinase** gene.
AUTHOR: Liang P; Averboukh L; Zhu W; Haley T; Pardee A B
CORPORATE SOURCE: Division of Cell Growth and Regulation, Dana-Farber Cancer Institute, Boston, Massachusetts, USA.
CONTRACT NUMBER: CA22427 (NCI)
SOURCE: Cell growth & differentiation : molecular biology journal of the American Association for Cancer Research, (1995 Oct) 6 (10) 1333-8.
Journal code: 9100024. ISSN: 1044-9523.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199610
ENTRY DATE: Entered STN: 19961106
Last Updated on STN: 19980206
Entered Medline: 19961023

L20 ANSWER 66 OF 86 MEDLINE on STN DUPLICATE 19
ACCESSION NUMBER: 96142195 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8548339
TITLE: Development of zidovudine (AZT) resistance in Jurkat T cells is associated with decreased **expression** of the thymidine kinase (TK) gene and hypermethylation of the 5' end of **human** TK gene.
AUTHOR: Wu S; Liu X; Solorzano M M; Kwock R; Avramis V I
CORPORATE SOURCE: Department of Pediatrics, USC School of Medicine, Childrens Hospital Los Angeles 90027, USA.
SOURCE: Journal of acquired immune deficiency syndromes and human retrovirology : official publication of the International Retrovirology Association, (1995 Jan 1) 8 (1) 1-9.
Journal code: 9501482. ISSN: 1077-9450.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals; AIDS
OTHER SOURCE: GENBANK-K02581; GENBANK-M15205; GENBANK-M15206; GENBANK-X54729
ENTRY MONTH: 199602
ENTRY DATE: Entered STN: 19960306
Last Updated on STN: 19970203
Entered Medline: 19960222

L20 ANSWER 67 OF 86 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 20
ACCESSION NUMBER: 94374163 EMBASE
DOCUMENT NUMBER: 1994374163
TITLE: [Genetically controlled pharmacomodulation for HIV gene therapy].
PHARMACOMODULATION CONTROLEE GENETIQUEMENT: APPLICATION AU TRAITEMENT DE L'INFECTION PAR LE VIH.
AUTHOR: Caruso M.; Klatzmann D.
CORPORATE SOURCE: Laboratoire de Biologie, URA CNRS D1643, CERVI, Hopital Pitie-Salpetriere, 83, Boulevard de l'Hopital,75651 Paris

Cedex 13, France
SOURCE: Comptes Rendus de l'Academie des Sciences - Serie III, (1994) 317/11 (1027-1030).
ISSN: 0764-4469 CODEN: CRASEV
COUNTRY: France
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
029 Clinical Biochemistry
030 Pharmacology
037 Drug Literature Index
LANGUAGE: French
SUMMARY LANGUAGE: English; French

L20 ANSWER 68 OF 86 LIFESCI COPYRIGHT 2004 CSA on STN
ACCESSION NUMBER: 95:118690 LIFESCI
TITLE: Localization of a novel, LPS-inducible member of the **thymidylate kinase** family to mouse chromosome 12
AUTHOR: Lee, C.G.L.; Gilbert, D.J.; O'Brien, W.E.*; Jenkins, N.A.; Copeland, N.G.
CORPORATE SOURCE: Dep. Mol. and Hum. Genet., Baylor Coll. Med., One Baylor Plaza, Houston, TX 77030, USA
SOURCE: MAMMAL. GENOME, (1994) vol. 5, no. 11, pp. 742-743.
ISSN: 0938-8990.
DOCUMENT TYPE: Journal
FILE SEGMENT: G
LANGUAGE: English

L20 ANSWER 69 OF 86 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 94286583 EMBASE
DOCUMENT NUMBER: 1994286583
TITLE: Global change of gene **expression** at late G1/S boundary may occur in **human** IMR-90 diploid fibroblasts during senescence.
AUTHOR: Pang J.H.; Chen K.Y.
CORPORATE SOURCE: Dept. Chem./Grad. Program Biochem., Rutgers- State Univ. New Jersey,Piscataway, NJ 08855-0939, United States
SOURCE: Journal of Cellular Physiology, (1994) 160/3 (531-538).
ISSN: 0021-9541 CODEN: JCLLAX
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 002 Physiology
020 Gerontology and Geriatrics
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L20 ANSWER 70 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 94:367111 SCISEARCH
THE GENUINE ARTICLE: NQ077
TITLE: **HUMAN** DTMP KINASE - GENE-**EXPRESSION** AND ENZYMATIC-ACTIVITY COINCIDING WITH CELL-CYCLE PROGRESSION AND CELL-GROWTH
AUTHOR: HUANG S H; TANG A; DRISCO B; ZHANG S Q; SEEGER R; LI C; JONG A (Reprint)
CORPORATE SOURCE: CHILDRENS HOSP LOS ANGELES, 4650 SUNSET BLVD, MAILSTOP 57, LOS ANGELES, CA, 90027 (Reprint); UNIV SO CALIF, SCH MED, DEPT PEDIAT & MICROBIOL, LOS ANGELES, CA, 90027; UNIV SO CALIF, SCH MED, DEPT PATHOL & OPHTHALMOL, LOS ANGELES, CA, 90027; UNIV SO CALIF, SCH MED, DEPT PEDIAT, LOS ANGELES, CA, 90027; YALE UNIV, VET AFFAIRS MED CTR, SCH MED, INFECT DIS SECT, W HAVEN, CT, 06516

COUNTRY OF AUTHOR: USA
SOURCE: DNA AND CELL BIOLOGY, (MAY 1994) Vol. 13, No. 5, pp. 461-471.
ISSN: 1044-5498.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 33
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 71 OF 86 MEDLINE on STN DUPLICATE 21
ACCESSION NUMBER: 94230604 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7513713
TITLE: Differential induction of 'metabolic genes' after mitogen stimulation and during normal cell cycle progression.
AUTHOR: Burger C; Wick M; Brusselbach S; Muller R
CORPORATE SOURCE: Institut fur Molekularbiologie und Tumorforschung (IMT), Philipps-Universitat Marburg, Germany.
SOURCE: Journal of cell science, (1994 Jan) 107 (Pt 1) 241-52.
Journal code: 0052457. ISSN: 0021-9533.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199406
ENTRY DATE: Entered STN: 19940620
Last Updated on STN: 20000303
Entered Medline: 19940606

L20 ANSWER 72 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN DUPLICATE 22
ACCESSION NUMBER: 93:484089 SCISEARCH
THE GENUINE ARTICLE: LQ264
TITLE: AFRICAN SWINE FEVER VIRUS **THYMIDYLATE KINASE** GENE - SEQUENCE AND TRANSCRIPTIONAL MAPPING
AUTHOR: YANEZ R J; RODRIGUEZ J M; RODRIGUEZ J F; SALAS M L (Reprint); VINUELA E
CORPORATE SOURCE: UNIV AUTONOMA MADRID CANTO BLANCO, FAC CIENCIAS, CSIC, CTR BIOL MOLEC SEVERO OCHOA, E-28049 MADRID, SPAIN
COUNTRY OF AUTHOR: SPAIN
SOURCE: JOURNAL OF GENERAL VIROLOGY, (AUG 1993) Vol. 74, Part 8, pp. 1633-1638.
ISSN: 0022-1317.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 44
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 73 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 93:47933 SCISEARCH
THE GENUINE ARTICLE: KG400
TITLE: ANALYSIS OF THE THYMIDINE KINASE GENES FROM ACYCLOVIR-RESISTANT MUTANTS OF VARICELLA-ZOSTER VIRUS ISOLATED FROM PATIENTS WITH AIDS
AUTHOR: TALARICO C L (Reprint); PHELPS W C; BIRON K K
CORPORATE SOURCE: WELLCOME RES LABS, DIV VIROL, 3030 CORNWALLIS RD, RES TRIANGLE PK, NC, 27709 (Reprint)
COUNTRY OF AUTHOR: USA
SOURCE: JOURNAL OF VIROLOGY, (FEB 1993) Vol. 67, No. 2, pp. 1024-1033.
ISSN: 0022-538X.
DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 56
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 74 OF 86 MEDLINE on STN
ACCESSION NUMBER: 93286554 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8389797
TITLE: Kinetic studies of the predicted substrate-binding site of varicella-zoster virus thymidine kinase.
AUTHOR: Suzutani T; Davies L C; Honess R W
CORPORATE SOURCE: Division of Virology, National Institute for Medical Research, Mill Hill, London, U.K.
SOURCE: Journal of general virology, (1993 Jun) 74 (Pt 6) 1011-6. Journal code: 0077340. ISSN: 0022-1317.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199307
ENTRY DATE: Entered STN: 19930723
Last Updated on STN: 19970203
Entered Medline: 19930715

L20 ANSWER 75 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 93:645139 SCISEARCH
THE GENUINE ARTICLE: MC626
TITLE: FOWLPOX VIRUS ENCODES A PROTEIN RELATED TO **HUMAN** DEOXYCYTIDINE KINASE - FURTHER EVIDENCE FOR INDEPENDENT ACQUISITION OF GENES FOR ENZYMES OF NUCLEOTIDE-METABOLISM BY DIFFERENT VIRUSES
AUTHOR: KOONIN E V (Reprint); SENKEVICH T G
CORPORATE SOURCE: NIH, NATL LIB MED, NATL CTR BIOTECHNOL INFORMAT, BLDG 38A, 8600 ROCKVILLE PIKE, BETHESDA, MD, 20894 (Reprint); RUSSIAN ACAD MED SCI, INST VIRAL PREPARAT, MOSCOW, RUSSIA
COUNTRY OF AUTHOR: USA; RUSSIA
SOURCE: VIRUS GENES, (SEP 1993) Vol. 7, No. 3, pp. 289-295. ISSN: 0920-8569.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 24
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 76 OF 86 MEDLINE on STN
ACCESSION NUMBER: 92194446 MEDLINE
DOCUMENT NUMBER: PubMed ID: 1312622
TITLE: Random mutagenesis of the thymidine kinase gene of varicella-zoster virus.
AUTHOR: Suzutani T; Lacey S F; Powell K L; Purifoy D J; Honess R W
CORPORATE SOURCE: Division of Virology, National Institute for Medical Research, Mill Hill, London, United Kingdom.
SOURCE: Journal of virology, (1992 Apr) 66 (4) 2118-24. Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199204
ENTRY DATE: Entered STN: 19920509
Last Updated on STN: 19920509
Entered Medline: 19920417

L20 ANSWER 77 OF 86 SCISEARCH COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 92:709675 SCISEARCH
THE GENUINE ARTICLE: KB012
TITLE: VIRAL THYMIDINE KINASES AND THEIR RELATIVES
AUTHOR: GENTRY G A (Reprint)
CORPORATE SOURCE: UNIV MISSISSIPPI, MED CTR, DEPT MICROBIOL, JACKSON, MS, 39216 (Reprint)
COUNTRY OF AUTHOR: USA
SOURCE: PHARMACOLOGY & THERAPEUTICS, (1992) Vol. 54, No. 3, pp. 319-355.
ISSN: 0163-7258.
DOCUMENT TYPE: General Review; Journal
FILE SEGMENT: LIFE
LANGUAGE: ENGLISH
REFERENCE COUNT: 200
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L20 ANSWER 78 OF 86 MEDLINE on STN
ACCESSION NUMBER: 91259063 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2045793
TITLE: Nucleotide sequence of 42 kbp of vaccinia virus strain WR from near the right inverted terminal repeat.
AUTHOR: Smith G L; Chan Y S; Howard S T
CORPORATE SOURCE: Sir William Dunn School of Pathology, University of Oxford, U.K.
SOURCE: Journal of general virology, (1991 Jun) 72 (Pt 6) 1349-76.
Journal code: 0077340. ISSN: 0022-1317.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199107
ENTRY DATE: Entered STN: 19910802
Last Updated on STN: 19910802
Entered Medline: 19910717

L20 ANSWER 79 OF 86 MEDLINE on STN DUPLICATE 23
ACCESSION NUMBER: 91204436 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2017365
TITLE: Molecular **cloning** and **expression** of the **human** deoxythymidylate kinase gene in yeast.
AUTHOR: Su J Y; Sclafani R A
CORPORATE SOURCE: Department of Biochemistry, Biophysics and Genetics, University of Colorado Health Sciences Center, Denver 80262.
CONTRACT NUMBER: GM35078 (NIGMS)
SOURCE: Nucleic acids research, (1991 Feb 25) 19 (4) 823-7.
Journal code: 0411011. ISSN: 0305-1048.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-S74822; GENBANK-S74824; GENBANK-S74828; GENBANK-S74831; GENBANK-S74923; GENBANK-S74924; GENBANK-S74925; GENBANK-S74926; GENBANK-X54729; GENBANK-X56690
ENTRY MONTH: 199105
ENTRY DATE: Entered STN: 19910607
Last Updated on STN: 19910607
Entered Medline: 19910521

L20 ANSWER 80 OF 86 MEDLINE on STN
ACCESSION NUMBER: 90016845 MEDLINE

DOCUMENT NUMBER: PubMed ID: 2552411
TITLE: Vaccinia virus encodes a **thymidylate kinase** gene: sequence and transcriptional mapping.
AUTHOR: Smith G L; de Carlos A; Chan Y S
CORPORATE SOURCE: Department of Pathology, University of Cambridge, UK.
SOURCE: Nucleic acids research, (1989 Oct 11) 17 (19) 7581-90.
Journal code: 0411011. ISSN: 0305-1048.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-X16259
ENTRY MONTH: 198911
ENTRY DATE: Entered STN: 19900328
Last Updated on STN: 19900328
Entered Medline: 19891121

L20 ANSWER 81 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 1990:104315 BIOSIS
DOCUMENT NUMBER: PREV199038049600; BR38:49600
TITLE: POLYAMINE METABOLISM AND CELL-CYCLE-DEPENDENT GENE **EXPRESSION** IN IMR-90 **HUMAN** DIPLOID FIBROBLASTS DURING SENESCENCE IN CULTURE.
AUTHOR(S): CHEN K Y [Reprint author]; CHANG Z-F; PANG J-H; HE G-S; LIU A Y-C
CORPORATE SOURCE: DEP CHEM, RUTGERS-STATE UNIV NEW JERSEY, NEW BRUNSWICK, NJ 08903, USA
SOURCE: Experimental Gerontology, (1989) Vol. 24, No. 5-6, pp. 523-538.
Meeting Info.: WORKSHOP ON CONTROL OF CELL PROLIFERATION IN SENESCENT CELLS, MONTREAL, QUEBEC, CANADA, AUGUST 1988. EXP GERONTOL.
CODEN: EXGEAB. ISSN: 0531-5565.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 14 Feb 1990
Last Updated on STN: 14 Feb 1990

L20 ANSWER 82 OF 86 MEDLINE on STN
ACCESSION NUMBER: 89130933 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2536980
TITLE: Low levels of herpes simplex virus thymidine-**thymidylate kinase** are not limiting for sensitivity to certain antiviral drugs or for latency in a mouse model.
AUTHOR: Coen D M; Irmiere A F; Jacobson J G; Kerns K M
CORPORATE SOURCE: Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston, Massachusetts 02115.
CONTRACT NUMBER: 5T32 AI07245 (NIAID)
5T32 GM07306 (NIGMS)
PO1 AI24010 (NIAID)
SOURCE: Virology, (1989 Feb) 168 (2) 221-31.
Journal code: 0110674. ISSN: 0042-6822.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198903
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19890315

L20 ANSWER 83 OF 86 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
ACCESSION NUMBER: 1982:246540 BIOSIS
DOCUMENT NUMBER: PREV198274019020; BA74:19020
TITLE: BIOCHEMICAL CHARACTERIZATION OF FLUORO PYRIMIDINE RESISTANT MURINE LEUKEMIC CELL LINES.
AUTHOR(S): MULKINS M A [Reprint author]; HEIDELBERGER C
CORPORATE SOURCE: UNIV SOUTHERN CALIF, COMPREHENSIVE CANCER CENT, LOS ANGELES, CALIF 90033, USA
SOURCE: Cancer Research, (1982) Vol. 42, No. 3, pp. 965-973. CODEN: CNREA8. ISSN: 0008-5472.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

L20 ANSWER 84 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1983:67915 HCAPLUS
DOCUMENT NUMBER: 98:67915
TITLE: Synthesis of vaccinia virus thymidine kinase in microinjected Xenopus oocytes
AUTHOR(S): Hruby, Dennis E.; Miller, Donna B.; Ball, L. Andrew
CORPORATE SOURCE: Coll. Agric. Life Sci., Univ. Wisconsin-Madison, Madison, WI, 53706, USA
SOURCE: Virology (1982), 123(2), 470-3 CODEN: VIRLAX; ISSN: 0042-6822
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 85 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1976:520591 HCAPLUS
DOCUMENT NUMBER: 85:120591
TITLE: Assignments of the **human** genes for lactate dehydrogenase-A and thymidine kinase to specific chromosomal regions
AUTHOR(S): Francke, U.; Busby, N.
CORPORATE SOURCE: Dep. Pediatr., Univ. California, La Jolla, CA, USA
SOURCE: Birth Defects, Original Article Series (1975), 11(3), 313-19 CODEN: BTHDAK; ISSN: 0547-6844
DOCUMENT TYPE: Journal
LANGUAGE: English

L20 ANSWER 86 OF 86 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1964:46586 HCAPLUS
DOCUMENT NUMBER: 60:46586
ORIGINAL REFERENCE NO.: 60:8245h,8246a-b
TITLE: Acquisition of deoxyribonucleic acid (DNA)-synthesizing enzymes by animal cells infected, with pox viruses
AUTHOR(S): Kit, Saul
CORPORATE SOURCE: Baylor Univ. Coll. of Med., Houston, TX
SOURCE: Experimental Cell Research, Supplement (1963), No. 9, 270-5 CODEN: ECRSAT; ISSN: 0099-9539
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

=> d his

(FILE 'HOME' ENTERED AT 14:25:51 ON 28 OCT 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,

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     LIFESCI' ENTERED AT 14:26:16 ON 28 OCT 2004
L1       1248762 S KINASE?
L2       6763612 S CLON? OR EXPRESS? OR RECOMBINANT
L3         22649 S THYMIDYLATE OR "TYKI"
L4        502559 S L1 AND L2
L5          1082 S L3 AND L4
L6           602 S HUMAN AND L5
L7          2771 S "P-LOOP"
L8             2 S L6 AND L7
L9             2 DUP REM L8 (0 DUPLICATES REMOVED)
                 E WEI M H/AU
L10          135 S E3
                 E KETCHUM K A/AU
L11          229 S E3
                 E BEASLEY E M/AU
L12          312 S E3
                 E DIFRANCESCO V/AU
L13          116 S E3-E4
L14          653 S L10 OR L11 OR L12 OR L13
L15            1 S L6 AND L14
L16            1 S L1 AND L15
L17         1353 S L1(A) L3
L18          349 S L2 AND L17
L19          146 S HUMAN AND L18
L20           86 DUP REM L19 (60 DUPLICATES REMOVED)
```